

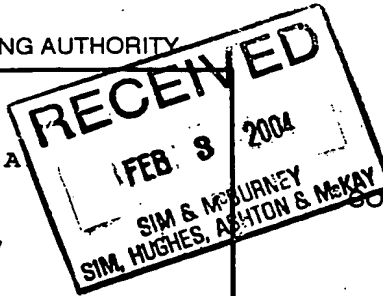
# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

To:

SIM & MCBURNEY  
Attn. McManus, Kimberly A  
330 University Avenue  
6th Floor  
Toronto, Ontario M5G 1R7  
CANADA



COMMUNICATION IN CASES FOR WHICH  
NO OTHER FORM IS APPLICABLE

Applicant's or agent's file reference	Date of mailing (day/month/year) 30/01/2004
11757-4KAM	REPLY DUE See paragraph 1 below
International application No.	International filing date (day/month/year) 31/07/2003
PCT/CA 03/01162	
Applicant	
DANTER, Wayne R.	

1. ☐ REPLY DUE within \_\_\_\_\_ days from the above date of mailing
- ☒ NO REPLY DUE

## 2. COMMUNICATION:

The international search report mailed to you on 30/12/03 was not accompanied by the modified abstract mentioned on form PCT/ISA/210 (first sheet).

Please find enclosed the missing sheet. The deadline for comments on the modified abstract will, of course, be calculated from the date of mailing of this letter.

We wish to apologise for any inconvenience caused.

A copy of this letter and its enclosures has been sent to the International Bureau of Geneva.

Name and mailing address of the International Searching Authority  
European Patent Office, P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016



Authorized officer

Panayota Georgakopoulou

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  <b>11757-4KAM</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No.  <b>PCT/CA 03/01162</b>	International filing date (day/month/year)  <b>31/07/2003</b>	(Earliest) Priority Date (day/month/year)  <b>31/07/2002</b>
Applicant  <b>DANTER, Wayne R.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 05 sheets.  
☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

**4. With regard to the title,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☐ None of the figures.

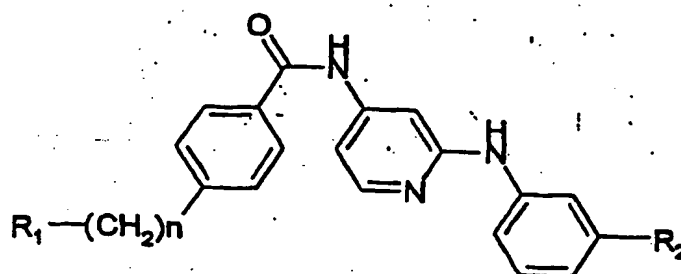
# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA 03/01162

t) Box III: TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet) (see)

The present invention relates to compounds of the Formula I, the pharmaceutically acceptable salts and stereoisomers thereof, which inhibit, regulate and/or modulate tyrosine kinase signal transduction, compositions which contain these compounds, and methods of using them to treat tyrosine kinase-dependent diseases and conditions in mammals:

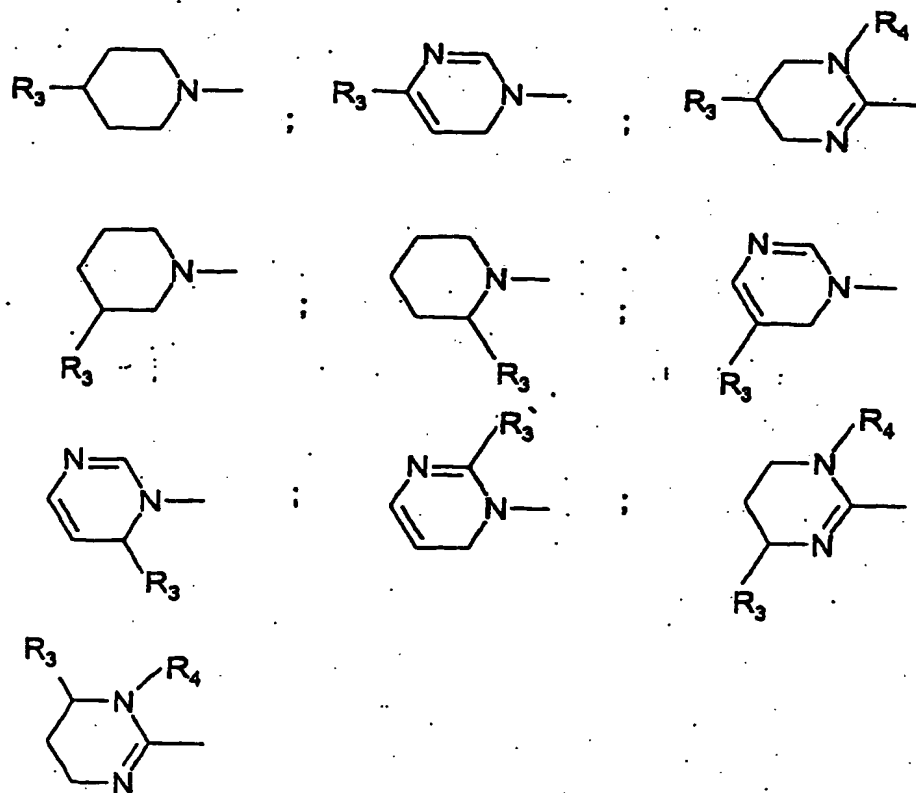


Formula I

wherein n is an integer, preferably n is 1;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting

of:



## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 03/01162

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D401/14 A61K31/506 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02 22597 A (NOVARTIS ERFIND VERWALT GMBH ;BREITENSTEIN WERNER (CH); CARAVATTI) 21 March 2002 (2002-03-21) the whole document	1-32
A	WO 01 53274 A (AGOURON PHARMA) 26 July 2001 (2001-07-26) the whole document	1-32



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

18 December 2003

Date of mailing of the international search report

30.01.04

Name and mailing address of the ISA

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Authorized officer

Schmid, J-C

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA 03/01162

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 19-27, 29 and 30 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01162

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0222597	A	21-03-2002	AU 1816702 A	26-03-2002
			BR 0113838 A	03-06-2003
			CA 2416274 A1	21-03-2002
			WO 0222597 A1	21-03-2002
			EP 1322634 A1	02-07-2003
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WO 0153274	A	26-07-2001	AU 3448401 A	31-07-2001
			BR 0108025 A	05-11-2002
			CA 2394703 A1	26-07-2001
			EP 1252146 A1	30-10-2002
			JP 2003529558 T	07-10-2003
			WO 0153274 A1	26-07-2001
			US 2002103203 A1	01-08-2002
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